Abstract of the Disclosure

A method, computer program, and computer network are disclosed for executing database queries. The method includes identifying a first set of conditions corresponding to a selected step for executing a query. A second set of conditions corresponding to one or more steps for executing the query that feed the selected step is identified. Each condition in the first set is checked for mathematical redundancy, including redundancy without equivalency, with regard to the other conditions in the union of the conditions corresponding to the selected step and the conditions in the second set. Each condition in the first set that is redundant is included in a third set. If there is only one condition in the third set, an identifier of the one condition is stored.

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